

## Water Quality Management Plan

### Volume 8

#### Wasteload Allocations/Total Maximum Daily Loads and Effluent Limitations Policy

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#### (1) ANALYTICAL BASIS FOR DEVELOPMENT OF EFFLUENT LIMITS FOR SANITARY WASTEWATER TREATMENT FACILITIES

All facilities (unless in an area specifically identified in the Areawide Policies or TMDL Based Limitations) with discharge flows of 25,000 gallons per day (GPD) or less are normally assigned secondary levels of treatment. Facilities with flow greater than 25,000 GPD are assigned limits based on the Statewide Sanitary Effluent Limitations Policy located in Appendix B. As time permits and TMDL's are developed, such facilities may be assigned limits on a case-by-case basis. In its assessment of discharges and development of necessary effluent limits the LDEQ may use the expected flow of discharge rather than the design capacity of the facility.

For permit writing purposes, the total suspended solids (TSS) effluent limitations shall be based on a case-by-case evaluation of the treatment technology utilized. Since there is no numeric water quality criterion for TSS, these limitations are not water quality based. However, under no circumstances shall final TSS effluent limitations be less stringent than secondary treatment levels as defined in LAC 33:IX.709.

Appendix C contains policies for the establishment of permit conditions for those wastewater treatment facilities accepting hauled domestic septage.

#### (2) INDIVIDUAL DISCHARGE ANALYSIS

It is to be noted that the limits applied in this plan are minimum limits. The LDEQ reserves the right to perform individual analyses for any particular discharge should such analyses be warranted based upon the LDEQ's assessment of ambient conditions, chemical characteristics and/or physical characteristics of the effluent being discharged. The LDEQ also reserves the right to assign an effluent limitation based upon the individual analysis, regardless of any previously established effluent limitation. Should any discharger be dissatisfied with the effluent limitation assigned in the Plan, the individual discharger may request alternate permit limits by performing an individual analysis which is supervised and approved by the Department. ~~then~~ The such discharger will be responsible for meeting any limit assigned through the execution of a subsequent individual analysis (wasteload allocation/total maximum daily load –TMDL-determination), regardless of whether the latter limit is more or less stringent than that which currently appears in the Plan. In all cases the LDEQ will follow standard procedures required for public review and comment for the effluent limits.

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## (5) COMPLIANCE SCHEDULES

The LDEQ will assign compliance schedules for dischargers which are currently operating treatment facilities under the authority of a wastewater discharge permit, but whose effluent limits do not currently appear in the certified State Water Quality Management Plan. The compliance schedule will detail the timeframe within which each permitted facility must upgrade its treatment level to conform to that indicated by subsequent wasteload allocations.

The LDEQ will implement finalized total maximum daily loads (TMDLs) in permits to require that the limits for point sources established in TMDLs be achieved:

- i Immediately upon issuance of an LPDES permit to a new discharge<sup>1</sup> (including but not limited to new discharges and expanded/increased discharges at existing facilities) after the TMDL has been finalized; and
- ii By every point source discharging pursuant to an existing permit within the earlier of three years from the effective date of the first renewal permit after the TMDL is finalized or six years from the finalization date of the TMDL, whichever occurs first.”

<sup>1</sup> For the purposes of this section, the term new discharge shall be defined as the commencement of construction subsequent to finalization of an applicable TMDL.

These policies are located as appendices at the end of this document and are as follows:

Appendix A: (AELP)- This appendix contains a list of areawide policies for waterbody segments.

Appendix B: (SELP) - This appendix contains policies for establishing effluent limitations for sanitary wastewater treatment facilities which supersede limits assigned in the original 1980 Basin Plans.

Appendix C: Acceptance of Hauled Domestic Septage at Sanitary Wastewater Treatment Facilities. This appendix contains policies for the establishment of permit conditions for those sanitary wastewater treatment facilities which accept hauled domestic septage into the treatment facility.

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## STATEWIDE SANITARY EFFLUENT LIMITATIONS POLICY

1. Dischargers given specific limits in a final TMDL shall be assigned those limits.
2. The Atchafalaya, Red, and Mississippi Rivers are river systems which because of flow or dispersion would not be significantly impacted by a secondary discharge of the largest size to be reasonably expected from these areas. STP's Sanitary wastewater treatment facilities discharging into these systems will be assigned *SECONDARY TREATMENT*.
- ~~2. Dischargers given specific limits in the original Basin Plans will be assigned those limits.~~
3. ~~Areawide policies adopted by the Department for establishment of effluent limits in specified area of the State, will supersede limits assigned in the original 1980 Basin Plans.~~
4. ~~Dischargers included in the original Basin Plans with a range of effluent limits will be assigned according to the following schedule:~~

| FLOW                      | TREATMENT LEVEL MG/L  |
|---------------------------|---|
| 25,000-100,000 GPD        | 10 BOD <sub>5</sub> /15 TSS                                 |
| More than 100,000 GPD     | 10 CBOD <sub>5</sub> /15 TSS/5 NH <sub>3</sub> <sup>+</sup> |
| Basin Plan limit of 5/5/2 | 10 CBOD <sub>5</sub> /15 TSS/2 NH <sub>3</sub> <sup>+</sup> |

- ~~5.~~ 4. Remaining sanitary dischargers will be assigned effluent limits according to the following schedule:

| FLOW                | TREATMENT LEVEL MG/L                           |
|---------------------|--|
| <25,000 GPD         | 30 BOD <sub>5</sub> /30 OR 90 TSS Secondary*   |
| 25,000 – 50,000 GPD | 20 BOD <sub>5</sub> /20 TSS Advanced Secondary |
| >50,000 GPD         | 10 BOD <sub>5</sub> /15 TSS Advanced           |

~~For dischargers greater than 500,000 GPD, these limits will remain in effect until an individual analysis (wasteload allocation or total maximum daily load analysis) is performed.~~

- ~~6.~~ 5. Individual dischargers may request alternate permit limits by performing an individual analysis which is supervised and approved by the Department.

~~NOTE: The original Basin Plans are the volumes comprising the original 1980 Water Quality Management Plan. The LDEQ reserves the right to assign an effluent limitation~~

based upon an individual discharge analysis, regardless of any previously established effluent limitation.

+ Whenever  $\text{NH}_3$  limits are assigned to a facility,  $\text{CBOD}_5$  will be required rather than  $\text{BOD}_5$ .

\* Louisiana Administrative Code: Volume 14, 33:IX.711D

- Mechanical Treatment Systems = 30 TSS
- Oxidation Ponds = 90 TSS

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## **APPENDIX C**

## Acceptance of Hauled Domestic Septage at Sanitary Wastewater Treatment Facilities

This policy has been established to provide guidelines for the development of LPDES permit conditions for those sanitary wastewater treatment facilities (both public and private) that accept hauled domestic septage into the treatment system.

Louisiana's water quality regulations define domestic septage as the liquid and solid material pumped from a septic tank, cesspool, portable toilet, Type III marine sanitation device, any similar domestic sewage treatment system, or a holding tank when the system is cleaned or maintained that receives only domestic sewage. Domestic sewage includes waste and wastewater from humans or household operations that are discharged to or otherwise enter a treatment works.

The acceptance of hauled domestic septage into any sanitary wastewater treatment system is prohibited unless proper notification procedures have been met. This includes notification to the Office of Environmental Services as outlined at LAC 33IX.2703 or by representation in the permit application. A general prohibition will be placed into Part II of all LPDES sanitary wastewater permits, unless the applicant has properly notified the Department.

The Department shall establish and maintain a strategy for the development and implementation of LPDES permit requirements for those facilities receiving hauled domestic septage containing at minimum conditions for the development of a manifest system, vehicle log, recordkeeping and reporting requirements.

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